

LISTING OF CLAIMS:

Please amend the claims as follows. This listing of claims replaces all previous versions of the claims.

Claims 1-15. (Canceled)

16. (Previously Presented) A data receiver station for use with a data acquisition and transfer device, the data acquisition and transfer device having first and second sensors each responsive to a change of a predetermined nature and a transmitter for transmitting over a mobile phone network data concerning an occurrence of each change to the data receiver station, wherein the data receiver station comprises:

- a transmitter configured to send a first polling signal over the mobile phone network to the data acquisition and transfer device requesting data associated with a change detected by the first sensor, and a second polling signal over the mobile phone network to the data acquisition and transfer device requesting data associated with a change detected by the second sensor;

- a receiver configured to receive the data associated with the first and second sensors over the mobile phone network; and

- a controller configured to determine a time for sending the second polling signal depending upon a content of the first data and to control the transmitter to send the second polling signal at the determined time.

17. (Previously Presented) The data receiver station of claim 16, wherein the content of the first data includes an indication of when the first sensor detected the change, and wherein the controller is configured to determine the time for sending the second polling signal depending upon when the first sensor detected the change.

18. (New) A data receiver station, comprising:
a transmitter configured to transmit a first polling signal at a first time and a second polling signal at a second time;
a receiver configured to receive data sent in response to and after the first polling signal; and
a controller coupled to the transmitter and the receiver and configured to determine the second time depending upon a content of the data received by the receiver and to control the transmitter to send the second polling signal at the second time.
19. (New) The data receiver station of claim 18, wherein the content of the data includes an indication of when a sensor detected a change in a physical characteristic, and wherein the controller is configured to determine the time for sending the second polling signal depending upon when the sensor detected the change.
20. (New) The data receiver station of claim 18, wherein the transmitter is configured to transmit the first polling signal over a phone network and the receiver is configured to receive the data over the phone network.
21. (New) The data receiver station of claim 18, further including a memory, wherein the controller is further configured to determine a time of receipt of the data and to store both the content of the data and the time of receipt of the data in the memory.
22. (New) A data acquisition system, comprising:
a data receiver station, comprising:
a first transmitter configured to transmit over a network a first polling signal at a first time and a second polling signal at a second time,
a first receiver configured to receive first data and second data, and

a controller coupled to the first transmitter and the first receiver and configured to determine the second time depending upon a content of the first data received by the first receiver and to control the first transmitter to send the second polling signal at the second time; and

a data acquisition device, comprising:

a second receiver configured to receive over the network the first and second polling signals,

a first sensor configured to sense a first physical characteristic,

a second sensor configured to sense a second physical characteristic, and

a second transmitter configured to transmit the first and second data,

wherein the data acquisition device is configured to generate the first data based on the first physical characteristic as sensed by the first sensor and to generate the second data based on the second physical characteristic as sensed by the second sensor, and is further configured to transmit by the second transmitter the first data in response to the second receiver receiving the first polling signal and the second data in response to the second receiver receiving the second polling signal.

23 (New) The data acquisition system of claim 22, wherein the content of the first data includes an indication of when the first sensor detected the first physical characteristic, and wherein the controller is configured to determine the time for sending the second polling signal depending upon when the first sensor detected the first physical characteristic.

24. (New) The data acquisition system of claim 22 wherein the network is a phone network.

25. (New) The data acquisition device of claim 22, further including a memory, wherein the controller is further configured to determine a time of receipt of the first data and to store both the content of the first data and the time of receipt of the first data in the memory.

26. (New) The data acquisition device of claim 22, wherein the first and second physical characteristics are changes in physical characteristics.